

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 21

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 06/06/2019		2. CONTRACT NO. (If any) 68HERH19D0022		6. SHIP TO: a. NAME OF CONSIGNEE OCSPP DC	
3. ORDER NO. 68HERH19F0213		4. REQUISITION/REFERENCE NO. PR-OCSPP-19-00288			
5. ISSUING OFFICE (Address correspondence to) HQAD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460				b. STREET ADDRESS USEPA OCSPP (Division), MC: RM: WJC East Building 1201 Constitution Ave, NW	
				c. CITY Washington	e. ZIP CODE 20004
7. TO: David Sprague				f. SHIP VIA	
a. NAME OF CONTRACTOR SRC, INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 7502 ROUND POND ROAD				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY NORTH SYRACUSE		e. STATE NY	f. ZIP CODE 132122558		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
				16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 063053771 Technical Support for Existing Chemical Fate and Exposure Assessments (formerly Task Order 05) TOCOR: Edmund Wong Max Expire Date: 12/19/2023 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center		\$100,000.00				17(i) GRAND TOTAL
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts		\$3,164,250.27				
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				

22. UNITED STATES OF AMERICA BY (Signature) 06/06/2019

ELECTRONIC SIGNATURE

23. NAME (Typed)
Sheila Dolan
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 06/06/2019	CONTRACT NO. 68HERH19D0022	ORDER NO. 68HERH19F0213
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Admin Office: HQAD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 Accounting Info: 19-20-B-69A-000CD6-2505-TC6EEAF-1969AC9018-0 01 BFY: 19 EFY: 20 Fund: B Budget Org: 69A Program (PRC): 000CD6 Budget (BOC): 2505 Job #: QT6ECROS Cost: TC6EEAF DCN - Line ID: 1969AC9018-001 Period of Performance: 06/06/2019 to 06/05/2020					
0001	Base Year: Task Order Type: T&M Hours 6,000 NTE: \$609,106.25 Period of Performance: 06/06/2019 - 06/05/2020				100,000.00	
0002	Option Year 1: Task Order Type: T&M Hours 6,000 NTE: \$621,272.78 Period of Performance: 06/06/2020 - 06/05/2021 (Option Line Item) 04/06/2020				Option	
0003	Option Year 2: Task Order Type: T&M Hours 6,000 NTE: \$633,687.44 Period of Performance: 06/06/2021 - 06/05/2022 (Option Line Item) 04/06/2021				Option	
0004	Option Year 3: Task Order Type: T&M Hours 6,000 NTE: \$646,355.98 Period of Performance: 06/06/2022 - 06/05/2023 Continued ...				Option	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$100,000.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER
06/06/2019

CONTRACT NO.
68HERH19D0022

ORDER NO.
68HERH19F0213

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0005	(Option Line Item) 04/06/2022 Option Year 3: Task Order Type: T&M Hours 6,000 NTE: \$653,827.82 Period of Performance: 06/06/2023 - 06/05/2024 (Option Line Item) 04/06/2023 The obligated amount of award: \$100,000.00. The total for this award is shown in box 17(i).				Option	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00



ENVIRONMENTAL PROTECTION AGENCY

Technical Support for Existing Chemicals Fate and Exposure Assessments

CONTRACTOR: 68HERH19D0022

TASK ORDER NUMBER: 68HERH19F0213

PROJECT TITLE: Technical Support for Existing Chemicals Fate and Exposure Assessments

<u>Task Order Contracting Officer's Representative</u> Edmund Wong Assessment Branch 3 Risk Assessment Division Tel. (202) 564-3394 Fax (202) 564-1626 Email: wong.edmund@epa.gov U.S. Mail: U.S. EPA, 1200 Pennsylvania Ave., (7403-M), Washington, D.C. 20460-0001	<u>Alternate Task Order Contracting Officer's Representative</u> David Tobias Assessment Branch 2 Risk Assessment Division Tel. (202) 564-8534 Fax (202) 564-1626 Email: tobias.david@epa.gov U.S. Mail: U.S. EPA, 1200 Pennsylvania Ave., (7403-M), Washington, D.C. 20460-0001
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A. PERFORMANCE WORK STATEMENT (PWS)

A1. Background and Purpose

Background

The Office of Pollution Prevention and Toxics (OPPT) of the Environmental Protection Agency (EPA) is responsible for work under a number of statutes including, principally, the Toxic Substances Control Act (TSCA), the Chemical Safety in the 21st Century Act, and Pollution Prevention Act of 1990 (PPA). The mission of the office is to assure that industrial chemicals are designed, manufactured, processed and used in ways that maximize their benefits to society and minimize their impacts on human health and the environment; encourage the replacement of older, more hazardous chemicals and technologies with new, safer alternatives; and work to harness the use of pollution prevention technologies, whenever feasible.

OPPT's Risk Assessment Division (RAD) is responsible for health and environmental hazard and risk evaluations of chemicals regulated under the Frank R. Lautenberg Chemical Safety for the 21st Century Act. The Frank L. Lautenberg Chemicals Safety for the 21st Century Act amends TSCA. Among other things, the amended TSCA requires EPA to conduct risk evaluations to determine whether a chemical substance may present an unreasonable risk of injury to health or the environment, without consideration of costs or other non-risk factors, including risks to potentially exposed or susceptible subpopulations. Furthermore, the amended TSCA legislation requires that EPA adhere to specific provisions regarding Scientific Standards, Weight of Evidence and Availability of Information as articulated in Sections 26 (h), (i) and (j), respectively (<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/frank-r-lautenberg-chemical-safety-21st-century-act>).

This task order supports implementation of the Frank R. Lautenberg Chemical Safety for the 21st Century Act, specifically for fate and exposure assessments for existing chemicals under various sections of TSCA (Section 4, 6, 7, 8) and other activities. OPPT's existing chemical projects may originate in various programs, including but not limited to those associated with chemical prioritizations and risk evaluations under the amended Section 6, SIDS (Screening Information Data Set), TSCA Section 21 petitions, and OPPT test rules. A complete listing can be found at <https://www.epa.gov/chemicals-under-tsca>. The

Contractor shall be familiar with the amended law to ensure that technical products abide to the scientific standards that EPA must meet when preparing technical products supporting OPPT's risk evaluations.

Under the amended TSCA, EPA is required to systematically prioritize and assess existing chemical substances and manage identified risks. Within six months from the date of the announcement that a chemical substance is subject to risk evaluation, EPA will issue a scoping document that will include information about the chemical substance, the hazards, exposures, conditions of use, and the potentially exposed or susceptible subpopulations the Agency expects to consider in the risk evaluation. TSCA generally requires that these chemical risk evaluations be completed within three years of initiation, allowing for a single 6-month extension.

Purpose

The primary purpose of this PWS is to provide technical support to the OPPT/RAD Existing Chemicals Program fate and exposure assessments. This PWS does not cover new chemicals risk evaluation and assessment under TSCA Section 5.

The Contractor is expected to support the development of scoping documents, draft and final risk evaluations. Use dossiers will be developed to support the scoping and risk evaluation document and include use information from literature sources and information obtained from outreach meetings with stakeholders. These will be compiled by another contractor with input from economists in the OPPT's Chemistry, Economics, and Sustainable Strategies Division and regulatory specialists in the Chemical Control Division and National Program Chemical Divisions. The contractor of this WA may be asked to supplement the use dossiers, if need be.

Below is a short description of the contents of the scoping documents, draft and final risk evaluations:

1. **Problem Formulation/Scoping:** During this stage, OPPT determines the exposure pathways, receptors and health endpoints that will be the focus of the risk evaluation for a particular substance or cluster under specific TSCA uses. Conceptual models, key assessment questions and the analysis plan document the conclusions of the problem formulation. Conceptual models are developed to capture the exposure pathways, receptor populations and effects that will be included in the human health and ecological risk evaluation. The key assessment questions are developed to drive the scope and analysis plan of the human health and ecological risk evaluation. Note, that not all data sources need to be reviewed in detail for purposes of the scoping documents. Scoping documents are required within 6 months of announcement of high-priority chemicals.
2. **Draft Risk Evaluation and public comment:** This step involves developing a risk evaluation document containing the technical contributions of multiple disciplines.
3. **Final Risk Evaluation:** EPA will update its draft risk evaluation if additional information would become available through public comment, literature review, required testing, or other sources.

OPPT uses "fit-for-purpose" systematic reviews where the scope and purpose of the scientific analysis for collecting, evaluating and integrating the data supporting our decisions are defined during problem formulation. The fit-for-purpose systematic reviews generally follow an iterative process when new data become available. Iterations may also happen at any given step of the systematic review process. Below is a brief description of the steps in the systematic review process being used in our scoping documents, draft assessments and final assessments. The overview below and Task 6 will provide information on what steps the contractors will and will not be involved with.

1. **Data Collection:** OPPT intends to collect most of the data/information upfront to support the

- scoping/problem formulations and chemical risk evaluations. Data will be collected under a defined set of literature search criteria and data sources for the different disciplines supporting the risk evaluation (chemistry, fate, engineering, exposure, human health hazard toxicology, ecotoxicology). The HERO database will be used as an overall repository for all identified data sources. HERO access will be provided to the Contractor of this task order (TO), if need be. However, another contractor will take the lead for conducting the majority of the data collection activities for activities related to the scoping and risk evaluations.
2. Data Evaluation: In the Data Evaluation phase, the collected data/information are critically appraised to determine their quality and utility. It can be subdivided in further steps.
 - a. Screening of literature to identify data/information that are potentially suitable and useful in the scoping document and risk evaluation. Review includes title review and abstract review. Search strategies and review criteria (inclusion/exclusion) will need to be documented, including using of tagging tools within HERO. Another contractor is expected to conduct the majority of the initial screening of the literature.
 - b. Extraction, tabulation and development of study summaries which will assist in the evaluation of the reliability and relevance of studies. The Contractor may be asked to help with this step.
 - c. Evaluation of the reliability and relevance of studies to determine whether the information is of appropriate quality to be used in the risk evaluation. Chemical-specific, use-specific (from use dossiers), and discipline-specific data sources (from Data Collection step) will be analyzed at a high-level for purposes of developing conceptual model and analysis plan in the scoping documents. This may include full-text review for a subset of the identified data sources. The Contractor may be asked to help with this step during scoping and/or risk evaluation.
 3. Data Integration: This is the step where all of the relevant data are combined and analyzed. OPPT uses a weight of evidence (WOE) approach when evaluating and synthesizing multiple evidence streams to support chemical risk evaluations. The Contractor may be asked to help with this step.

Summary of Findings and Identification of Data Gaps: OPPT will take risk management actions when unreasonable risks are identified throughout the risk evaluation process. Thus, it is critical that the findings of the systematic review are summarized in plain language, and any uncertainties and areas for further research are identified. The Contractor may be asked to help with this step.

A.2 Scope of Work

The purpose of this procurement is to provide technical and processing support for all activities supporting fate and exposure assessments related to new chemicals. Specifically:

Provide technical support for the development, review, analysis, and presentation of environmental fate and transport and exposure assessments for existing chemicals under TSCA and other Agency initiatives.

The Contractor will develop various technical products to support these activities such as, but not limited to, reports supporting chemical prioritization efforts and scoping and risk evaluation documents, responses to comments, evaluation of chemical test plans and test data, systematic review of studies, briefing presentations, and white papers.

This task order continues the work previously performed and does not duplicate any work performed

under the previous work assignment under the contract EP-W-17-008 WA 1-01. For some work supporting existing chemicals, the contractor must be cleared to access TSCA confidential business information (CBI).

The contractor shall supply the necessary resources required for the performance of this contract. The scientific quality of reviews, assessments, reports, model tools, statistical programs and software, and their timely preparation in accordance with negotiated schedules, are of paramount importance in the performance of this contract.

The contractor shall have the necessary technical and scientific expertise, knowledge and experience to successfully perform all of the tasks identified below. In addition, the contractor shall have a quality assurance/quality control program that maintains the quality of products, as well as an ongoing training program. This is intended to ensure that the contract staff produces quality products, and feedback from OPPT on needed improvements is communicated to the contractor's staff. The contractor shall maintain and make available upon request complete documentation of QA/QC practices and procedures. Performance of work under this contract shall be initiated by competitive task orders issued by the Contracting Officer, and will encompass tasks in following areas discussed below in Section A.3 (TASKS).

The Contractor shall perform the following tasks, as directed by the EPA Task Order Contracting Officer's Representative (TOCOR). The EPA TOCOR will issue written technical direction for work performed under each task.

A.3 TASKS

TASK 1: Project Management

The Contractor shall provide a Project Manager. The Contractor Project Manager shall report on all aspects of the objectives and progress of this contract to the designated EPA Contracting Officer (CO) and Contracting Officer Representative (COR) via email, through monthly reports. The Contractor Project Manager also plans, conducts and supervises Task Order (TO) projects, necessitating advanced knowledge and the ability to originate and apply new and unique methods and procedures. The Contractor Project Manager provides advice and counsel to other professionals. The Contractor Project Manager shall notify via email the relevant EPA COR/Alternate COR or TOCOR of any significant difficulties in accomplishing the task listed in the TOs.

In cases where performance objectives and minimum Acceptable Quality Levels (AQLs) are not being met, the Contractor Project Manager will make every effort to immediately correct the problems to ensure customer satisfaction. If the problem persists, the Project Manager will submit a plan of corrective action to the TOCOR and the Contract Level COR. The Contractor Project Manager shall ensure that the approved Quality Assurance (QA)/Quality Control (QC) process is followed to ensure the quality of its products.

The contractor shall schedule a kick-off call with the EPA to review overall goals of the project and details regarding implementation of the TO. Roles and responsibilities for completing the tasks below will be discussed. The kick-off call shall be scheduled within 3 to 7 working days of award at a mutually agreed upon time. During the kick-off call the contractor and EPA will schedule weekly or monthly technical calls.

TASK 2: Reporting Requirements

The contractor shall write and submit monthly progress reports to the EPA Contracting Officer Representative (COR). Progress reports shall describe completed work during the invoice period and should link to charges described in invoice documentation.

Routine progress reports shall include a written monthly technical progress report that includes the following in the case of each project that the contractor is involved in during the month: (a) an overview of work accomplished since project inception to to-date (b) a description of work accomplished during the month, (c) a summary of QA/QC activities since project inception including a summary of corrective action taken (d) a brief summary of anticipated work during the following month, (e) a summary and details of the costs incurred for each task during the month and cumulatively , and (f) total remaining budget. This report shall also be issued to the Contract Level COR. Routine progress reports shall be delivered electronically; paper copies are not needed.

The Contractor shall notify the TOCOR and CO when 75, 90, and 100% of approved budget has been expended. No work on the conduct of environmental data operations can begin until EPA approval of the QAPP is obtained. Work not related to environmental data operations such as scoping how environmental data may be searched for or summarized once available including refinement of keywords, criteria, or report templates may begin prior to QAPP approval. See Appendix F for additional invoice reporting instructions.

Failure to submit monthly progress reports with the information required will result in the suspension of the invoice until such supporting documentation is provided. Any deviations from the project such as work schedules, impediments encountered, and budget require approval from the EPA COR. The EPA COR may also initiate verbal communications with the contractor on an as needed basis to determine project status.

Deliverable: Monthly Progress Reports shall be submitted to the EPA COR within three (3) calendar days of invoice submission to EPA. Minimal level of effort required for this deliverable.

TASK 3: QAPP Requirements

Quality Assurance: The Quality Management Plan, the QAPP. The contractor shall adhere to its Quality Management Plan that is tailored for this contract.

This Task Order involves the use of environmental data. Accordingly, EPA policy requires that an approved Quality Assurance Project Plan (QAPP) be in place before any work begins that involves the collection, generation, evaluation, analysis or use of environmental data. The QAPP must be consistent with EPA Requirements for Quality Assurance Project Plans: EPA QA/R-5 (<https://www.epa.gov/sites/production/files/2015-06/documents/g5-final.pdf>).

* Within 10 business days after Task Order Award, the contractor shall prepare and submit for EPA review a draft Quality Assurance Project Plan (QAPP) for **Tasks 4 through 7**.

* EPA will review the contractor's draft QAPP and provide the Contractor with written approval or written comments.

* If needed, the Contractor shall submit a revised QAPP within 5 business days of receipt of the written comments on the draft QAPP, unless otherwise instructed by the EPA TOCOR.

* Under no circumstances shall work that involves the generation, collection, evaluation, analysis, or use of environmental data be performed by the contractor until the contractor receives written notification from the EPA TOCOR that EPA has approved the contractor's QAPP.

All QA documentation, including the QAPP, prepared under this TO, shall be considered non-proprietary, and shall be made available to the public upon request.

The Contractor shall submit the QAPP simultaneously within 15 days of award of Task Order. Extension of QAPP submission within a reasonable timeframe may be granted by the TOCOR upon request.

Additional QA Documentation Required

In addition to the requirements described above, all major deliverables (e.g., Technical Support Documents, Study Reports, Study Plans, etc.) produced by the Contractor under this Task Order must include a discussion of the QA/QC activities that were or will be performed to support the deliverable. The contractor shall immediately notify the EPA TOCOR of any QA problems encountered that may impact the performance of this Task Order, with recommendations for corrective action.

The contractor also shall provide EPA with monthly reports of QA-related activities performed during implementation of this Task Order. These monthly QA reports shall identify QA activities performed to support implementation of this task order, problems encountered, deviations from the QAPP, and corrective actions taken. The contractor may include this as a part of the contract-required monthly financial/technical progress report. The contractor shall notify the EPA TOCOR at any time during the task order if changes to the QAPP are warranted (e.g., due to organizational changes, revised technical approaches).

If, during the Period of Performance of this Task Order, the EPA TOCOR determines revisions to the QAPP are necessary, the contractor shall submit a revised QAPP, including the revision summary, within 5 business days after receiving written technical direction to do so. EPA will review the draft revised QAPP and provide the contractor with written approval or comments. The contractor shall provide a revised QAPP, then a final QAPP that responds to EPA's written comments within 5 business days of receipt of EPA's comments on the draft QAPP.

* Under no circumstances shall work involving environmental data be performed by the contractor until the contractor receives written notification from the EPA TOCOR that EPA has approved the contractor's QAPP.

Since this task order involves the collection, evaluation, and use of environmental data by and for the Agency, the contractor shall implement a quality system that meets ANSI standard E4-2014 and prepare a quality assurance project plan (QAPP) following EPA guidelines. QAPP is due within 15 days of task order award.

Task 4: Preparation of Meeting Attendance and Reports

If requested in the written technical directions from the EPA TOCOR, the contractor shall attend meetings and teleconferences with the EPA TOCOR at EPA Headquarters offices or other locations as part of this work assignment. If this work assignment has sub-tasks defined via technical direction, the EPA TOCOR

will require additional monthly reporting of dollars consumed by sub-task (per week and cumulative). This report should be sent via e-mail to the TOCOR and consist of a spreadsheet. Every month, the contractor shall input the dollars used into new columns and/or rows for each sub-task while retaining the data from previous weeks. The EPA TOCOR may request additional reporting of dollars consumed by sub-task within the month when deemed necessary. The contractor shall immediately inform the EPA TOCOR of any problem that may impede performance during the period of this task.

The scheduling of these meetings will be designated by the EPA TOCOR. The contractor shall prepare summary notes describing each meeting's topics, action items, and decisions; the contractor shall provide the summary to the TOCOR within one to three business days of the meeting.

The contractor shall maintain copies of all work documentation including: templates, assumptions, raw data, calculations, and information used or produced during the course of any task in this work assignment. Communication via e-mail is preferred with the e-mails being maintained as a written record.

Task 5: Technical Support for Development of Environmental Fate, Transport and Exposure Assessments for Existing Chemicals

The contractor shall provide technical support for the development of environmental fate, transport and exposure assessments for existing chemicals, including but not limited to TSCA prioritization and risk evaluation documents or screening level assessments.

The subject areas to be addressed under this task may include, but are not limited to:

- environmental fate and transport
- exposure assessment
- environmental monitoring
- environmental fate testing
- analytical chemistry
- experimental design and statistics

The activities the contractor shall conduct under this task may include, but are not limited to:

- development of preliminary fate and/or exposure assessments
- literature searches
- review and summary of existing literature
- statistical and/or technical evaluation of scientific reports
- summary of data and preparation of presentation materials
- development of data repositories

To initiate work under this task, the TOCOR will issue a technical directive including the specific information on the support requirements including schedule for delivery.

Subtask 5.1. Identification and Evaluation of Data Sources used for Existing Chemicals Technical Support Documents

Note that another contractor will be conducting the majority of literature searches and first screening (title/abstract) for the fate and exposure literature supporting the scoping and risk evaluation documents for chemicals in **Table 1**. Fit-for-purpose supplemental literature searching may be initiated through technical direction to provide answers to specific questions. In that case, the contractor shall document the

approach taken to search for data/information used to support the development of environmental fate, transport, and exposure assessments. For other technical products, the directions below about how to search the literature, screen and evaluate data generally apply. The data sources may be used to develop a conceptual model and analysis plan, which document the conclusions of the scoping/problem formulation.

EPA may identify additional candidate chemicals or categories during the course of the performance year of the task order, in addition to those listed in **Table 1**.

Table 1: List of initial 10 Chemicals for Risk Evaluations Under Amended TSCA

Chemical Name
Trichloroethylene (TCE)
Methylene chloride (DCM)
N-Methylpyrrolidone (NMP)
1,4 Dioxane
Cyclic Aliphatic Bromide Cluster (HBCD)
1- Bromopropane (1-BP)
Pigment Violet 29 (Anthra[2,1,9-def:6,5,10-d'e'f]diisoquinoline-1,3,8,10(2H,9H)-tetrone)
Carbon Tetrachloride
Tetrachloroethylene (also known as perchloroethylene)
Asbestos

Subtask 5.1.2. Data Collection and Screening for Suitability/Utility

In general, EPA anticipates that this subtask will support focused data gathering activities. In that case, the contractor shall perform data gathering activities in accordance with EPA's fit-for-purpose systematic review process. Before starting literature search, the Contractor shall develop a literature search and screening protocol, in collaboration with the EPA TOCOR and EPA technical contacts, to describe the process(es) used to identify, and screen references. The literature search and screening protocol may include search terms geared to gather information on susceptible populations per TSCA requirements. When performing the literature searches, the contractor shall communicate with the EPA TOCOR and technical contacts regularly to ensure that searches are refined and focused.

The contractor shall document the literature search strategy and findings in a document that will be provided to EPA as a deliverable. This document should include, as a minimum, the following:

- Keywords used and databases searched.
- Number of references screened and selected, including criteria-based rationale for including and excluding records. Note review of title and abstract may be sufficient to screen some data sources, while full-text review may be needed for other data sources.
- Flow diagram that graphically illustrates the number of titles, abstracts, and full articles reviewed during the literature search process.

The Contractor shall perform an initial screen of the literature to identify data/information that are potentially suitable and useful. Title and abstract may be sufficient to screen some data sources for suitability/utility, while full-text review may be needed for other data sources. The Contractor shall develop an approach for screening studies, including inclusion/exclusion criteria, and submit to the EPA TOCOR for approval.

When performing the screening, the Contractor shall communicate with the EPA TOCOR and technical contacts regularly to ensure that the screening process fits our needs and that the EPA TOCOR and the Contractor solve any issues in a timely manner.

Contractor shall prepare a reference library in EndNote and a report documenting the literature search strategy and screening approach and submit to EPA as deliverable. Contractor shall perform a QA/QC of all data delivered to EPA. The schedule will be clarified by technical direction.

Subtask 5.1.3. Data Evaluation and Synthesis

The Contractor shall review and categorize the references (data sources) that are selected as a result of Subtask 6.1.2 and qualitatively, semi-qualitatively or quantitatively summarize the data and information that are contained in these references. Also, the Contractor shall screen and evaluate the studies for reliability and relevancy, as stated by technical direction to determine whether the information is of appropriate quality to be used in the scoping/problem formulation documents, risk evaluations or other technical products. The Contractor shall also document study evaluations using study tables containing data elements agreed by EPA. The Contractor shall perform a quality assurance check for the data tables prior to delivering them to EPA. Quality assurance checks shall include, but not be limited to, comparing table entries and/or data elements in tables to information from the original publication and checking conversions as appropriate (e.g., ppm to mg/m³). The quality assurance check should be performed by a scientist that was not involved in the initial development of the table being reviewed.

The Contractor shall develop an approach to screen the studies for reliability, including evaluation criteria, and submit to the EPA TOCOR for approval. Study quality evaluations should be independent of considerations regarding the direction or magnitude of study results.

For scoping documents, the Contractor shall conduct a first tier data evaluation that will allow EPA to develop the conceptual model and analysis plan. The EPA TOCOR will issue chemical-specific technical direction to specify the level of data review and summarization for scoping documents.

Additionally, the contractor shall evaluate the relevancy and quality of the data and information contained in the summaries prepared as directed by technical direction on an as needed basis for other existing chemicals to ensure that all data utilized for the preparation of risk evaluation documents or other technical products are of adequate quality. The contractor shall document the evaluation of data relevancy and quality of the summarized data and provide a report to EPA as deliverable.

The Contractor shall provide the results of the data quality screening to EPA for review. EPA will determine which studies will be acceptable for use and communicate decision to Contractor before moving to next step.

The EPA TOCOR will issue technical direction clarifying the specific deliverables under this subtask and their delivery schedule, which includes individual interim products and final environmental fate, transport, and exposure assessments/reports.

Task 6: Pre-Prioritization of TSCA Existing Chemicals

Under the Toxic Substances Control Act (TSCA), as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act, EPA has a mandate to prioritize and evaluate the risks of existing

chemical substances. TSCA requires EPA to have completed the prioritization for at least 20 high- and at least 20 low-priority chemicals within 3.5 years of the law's enactment, or by approximately the end of December 2019. Therefore, EPA must identify at least 40 potential candidates and begin the 9 to 12-month prioritization process by no later than the end of March 2019. It is important to note that TSCA requires that at least 50 percent of all chemical substances undergoing risk evaluation come from the EPA's 2014 update of the TSCA Work Plan for Chemical Assessments.

Currently, EPA is in the process to select the potential 20 high-priority candidate chemicals that must complete prioritization by December 2019 primarily from the 75¹ remaining chemicals listed on the 2014 TSCA Work Plan that are not already the subject of ongoing TSCA section 6 risk evaluations or risk management actions. It is important to note that the inclusion on the 2014 Update of the TSCA Work Plan does not constitute a finding of risk. The chemicals on this list will enter the prioritization process for determination of high- or low-priority for risk evaluation. Meanwhile, the EPA is also in the process to conclude the designation of 20 low-priority candidate chemicals that are in prioritization process.

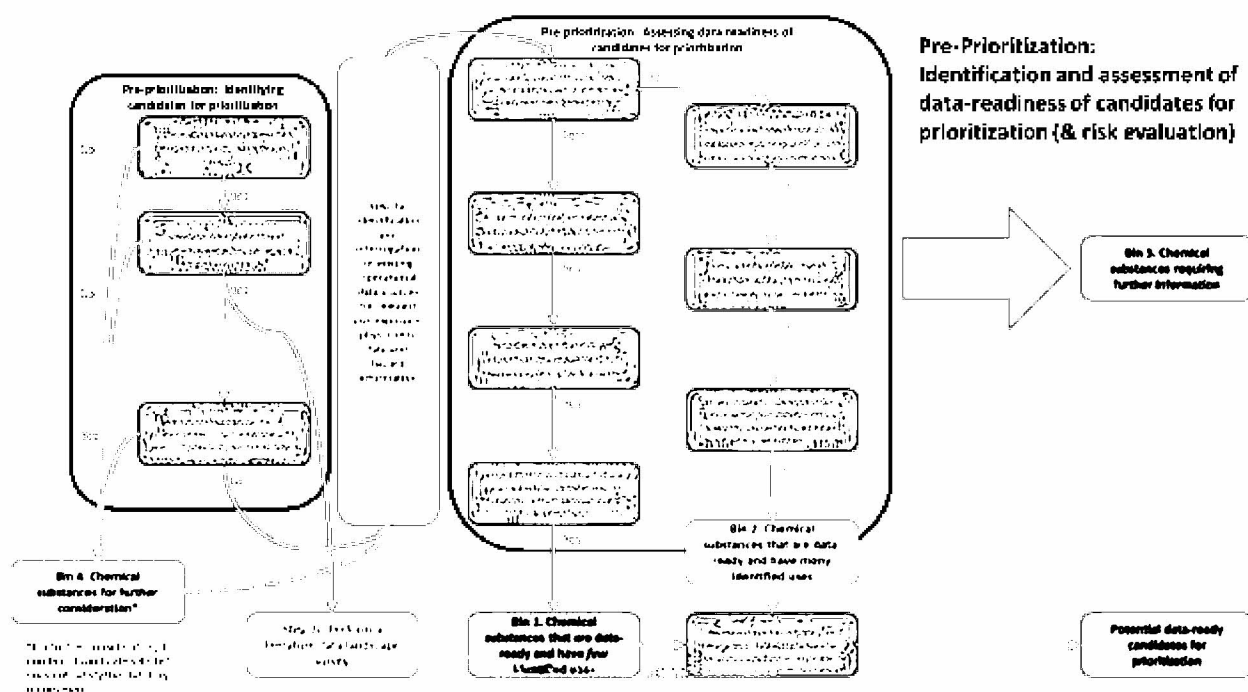


Figure 1. Pre-Prioritization Identification and assessment of data-readiness of candidates for prioritization & risk evaluation workflow.

¹ The 2014 Work Plan chemicals list consists of 90 chemicals. With the passage of the Frank R. Lautenberg Chemical Safety for the 21st Century Act, EPA was required to select the first 10 chemicals to undergo risk evaluations from the 2014 Update to the TSCA Work Plan. These 10 chemicals were announced on December 16, 2016. TSCA section 6(h) requires EPA to take expedited regulatory action under section 6(a) without a risk evaluation for PBT chemicals from the 2014 Update of the Work Plan Chemicals. Five chemicals met the requirements of TSCA section 6(h). Two additional PBT chemicals met the TSCA section 6(h) criteria; however, manufacturers for these substances submitted timely requests to EPA for risk evaluations pursuant to section 6(h)(5) and are therefore not subject to the rulemaking effort. This leaves 73 more chemicals that need to be scheduled for prioritization.

In order to select the first 20 candidates for high-priority designation, EPA will primarily look to the 2014 Work Plan list. This list is attached in the following:



In support of this effort on high and low-priority chemicals, the contractor shall research, review and incorporate Fate information and physical-chemical properties from authoritative sources and if necessary, conduct EPI Suite (or other models if needed) estimates for the respective chemicals when data is not available. The contractor may be tasked to support the development of scoping documents for these chemicals. The EPA TOCOR will issue technical direction including the specific information on the support requirements including schedule for delivery.

Task 7: Technical Support for Other Activities Under TSCA Section 4, 6, 7, and 8, and Other Needs Under Amended TSCA.

The contractor shall provide technical support for the other activities that may be associated with TSCA Section 8(e)/FYI Submissions, 5 PBT Chemicals Rules, Per- and Polyfluoroalkyl Substances (PFAS) under TSCA Section 6, protocol and study reviews under TSCA Section 4 Test Rules, and other support needs under Amended TSCA.

To initiate work under the above-mentioned tasks, the TOCOR will issue a technical directive including the specific information on the support requirements including schedule for delivery.

A.4 Reporting Requirements and Deliverables

As described in Task 2 and in the invoice instructions (Section F), the Contractor shall provide a monthly report to CO, COR and TOCOR which identifies project staff and all activities and milestones associated with the Task Order assignments planned and in progress. The monthly report in progress tasks shall be included in the monthly reports which will be referenced when the Voucher Validation review is performed monthly at the end of each billing cycle.

As per the Task Order or request for a proposal, the Contractor shall provide the Agency with a proposal within the timeframe specified for this Task Order. The EPA CO, CORs, or panel members will review the proposal and provide the Contractor with an approval or disapproval, and revision (if necessary) in writing. The timelines involved, will proceed as stipulated in the request for a proposal or Contract

The Contractor shall prepare a Quality Assurance Project Plan for this Task Order. EPA Requirements for Quality Assurance Project Plans (QAR-5).

For most deliverables, the EPA COR will assign a tentative due dates and instructions when work is routed to the Contractor. If within three business days, the Contractor expresses no concern regarding the due date; the date shall be deemed settled by tacit agreement.

SPECIFIC SCHEDULE OF DELIVERABLES:

Task	Deliverable	Schedule
Task 1: Project Management	Kick-off call	Within 3 – 7 working days of award
Task 2: Reporting Requirements	Monthly Progress Reports	Monthly, within 3 days of transmittal of invoice
Task 3: QAPP	QAPP	15 calendar days after award of task order
Task 4: Meeting Attendance and Reporting Requirements	Meeting participation, reports, presentations, etc.	Described in Technical Directions
Task 5: Technical Support for Development of Environmental Fate, Transport and Exposure Assessments for Existing Chemicals	Supporting reports, information, etc. as required by technical directions	Described in Technical Directions
	Upon direction from TOCOR	Individual interim products and final environmental fate, transport, and exposure assessments/reports delivered to the TOCOR. Technical directions with specific deliverables and their delivery schedule will be issued by the TOCOR.
Task 6: Pre-Prioritization of TSCA Existing Chemicals	Upon direction from TOCOR	Described in Technical Directions
Task 7: Technical Support for Other Activities Under TSCA Section 4, 6, 7, and 8, and Other Needs Under Amended TSCA	Upon direction from TOCOR	Described in Technical Directions

A.5 Acceptable Quality Level for Tasks

See Attachment: Quality Assurance Surveillance Plan

Performance Criteria Analysis – TASKS		
Performance Indicator	Standard	Acceptable Quality Level (AQL)
Timely submission of report	Reports submitted within time frame pre-negotiated with Task Order COR	95%

Free of substantive technical, guideline, or format errors	Reports submitted with zero substantive errors including but not limited to discrepancies, omissions, inaccuracies, and/or inappropriate data evaluation	95%
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A.6 Method of surveillance

Final deliverables prepared by the contractor may undergo a secondary review process in OPPT. Each report has a designated EPA reviewer. The EPA reviewer conducts a review of the contractor's deliverable. The EPA reviewer will provide feedback to the TOCOR to send back to the contractor should revisions be needed. The TOCORs will compare agency due dates or approved revised due dates to completed date of reports, quarterly and calculate the percentage of late reports.

A.7 Period of Performance

Base:	12 months from award date
Option 1:	12 months from option exercise
Option 2:	12 months from option exercise
Option 3:	12 months from option exercise
Option 4:	12 months from option exercise

A.8 Task Order Type

Time and Materials

B. INSPECTION AND ACCEPTANCE

B.1 Quality Assurance Project Plan

The contractor shall submit the following quality system documentation to the CO at the time frames identified below:

	Documentation	Specifications	Due
X	Quality Assurance Project Plan for the Task Order	EPA Requirements for Quality Assurance Project Plans (QA/R-5) [dated 03/20/11]	Task Order proposal due date

This documentation can be found on the following EPA website – <https://www.epa.gov/quality/epa-qar-5-epa-requirements-quality-assurance-project-plans>

This documentation will be prepared in accordance with the specifications identified above or equivalent

specifications defined by EPA.

The Government will review and return the quality documentation, with comments, and indicating approval or disapproval. If necessary, the contractor shall revise the documentation to address all comments and shall submit the revised documentation to the government for approval.

The contractor shall not commence work involving environmental data generation or use until the Government has approved the quality documentation.

C. TASK ORDER ADMINISTRATION DATA

C.1 Contract Administration Representatives

Contracting Officer: Genine McElroy, mcelroy.genine@epa.gov

Contract Level Contracting Officer's Representative: Bryan Lobar, lobar.bryan@epa.gov

Task Order Contracting Officer's Representative: Edmund Wong, wong.edmund@epa.gov

Alternate Task Order Contracting Officer's Representative: David Tobias, tobias.david@epa.gov

D. INVOICING

Invoices shall be submitted electronically to: US EPA FINANCE OFFICE AT DDC-KINVOICES@EPA.GOV. Copy the CO, Contract COR and TOCOR on the submission.

For format and guidance refer to: http://www2.epa.gov/financial/contracts#Contract_invoices
The customer service contact information for the finance office is contractpaymentinfo@epa.gov and 919-541-1148.

E. TASK ORDER CLAUSES

E.1 FAR 52.217-9 Option to Extend the Term of the Contract (Mar 2000)

(a) The Government **may** extend the term of this contract by written notice to the contractor within 5 calendar days before the expiration of this contract; provided that the Government gives the contractor a preliminary written notice of its intent to extend at least 30 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 60 Months.

LOCAL CLAUSE - EPA-B-32-103A - LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line items 1 through 5 are severable and may be incrementally funded. For these items, the sum of \$100,000.00 of the total price is presently available for payment and allotted to this contract.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled, "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 5 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85% of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of

funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION:

	PRIOR AMOUNT	THIS MOD.	NEW AMOUNT
BASE PERIOD			
Total Maximum Amount:	\$0.00	\$0.00	\$609,106.25
Funded Amount:	\$0.00	\$0.00	\$100,000.00

(End of clause)

LIST OF ATTACHMENTS

ATTACHMENT 1: QUALITY ASSURANCE SURVEILLANCE PLAN

QUALITY ASSURANCE SURVEILLANCE PLAN

PERFORMANCE REQUIREMENT	PERFORMANCE MEASURE (PM)	PERFORMANCE STANDARD	SURVEILLANCE METHOD	INCENTIVES & DISINCENTIVES
<p><u>MANAGEMENT AND COMMUNICATION:</u></p> <p>The contractor shall maintain contact with the EPA CO, COR, and TOCOR throughout the performance of the contract.</p>	Contractor shall immediately bring potential problems to the appropriate EPA personnel and shall recommend actions that would mitigate or resolve the problem.	Issues that impact project schedules and costs shall be brought to the attention of the EPA within 3-days of occurrence.	All active task orders will be reviewed by the EPA to identify unreported issues.	Performance will be considered in the award of subsequent task orders and will be factored into the annual evaluation of Business Relations in the Contractor Performance Assessment Reporting System (CPARS).
<p><u>TIMELINESS:</u></p> <p>For every Task Order awarded establishing a firm, specific delivery date for the generation of a report, the contractor shall deliver such report to the COR, TOCOR and CO no later than the time specified in the order's PWS.</p>	Deliverables and related work must comply with contractual timeliness requirements. The contractor will be evaluated on its responsiveness to all task orders.	95% of all deliverables and related work shall be completed on time within task schedule and/or tech. direction requirements.	100% inspection of all deliverables and related work by the TOCOR; TOCOR will document the timeliness of all work requirements.	Performance will be considered in the award of subsequent task orders and will be factored into the annual evaluation of Timeliness in the Contractor Performance Assessment Reporting System (CPARS).
<p><u>TECHNICAL QUALITY:</u></p> <p>For every task order awarded, the analyses conducted by the contractor shall be factual, defensible, credible, and based on sound scientific methods. All data shall be collected from reputable sources and quality assurance measures shall be conducted in accordance with the agency requirements outlined in the task orders.</p>	All deliverables and related work must be complete, accurate, thorough, and professionally credible.	Data are 100% accurate; review demonstrates a high level of expertise and credibility with regard to personnel and use of scientific methodology. Task Orders shall be conducted in strict conformance with approved QA plans. Outputs shall withstand internal review by the US EPA and outside scientific reviewers.	EPA Staff will conduct secondary reviews of work completed by the contractor. Feedback will be provided.	Performance will be considered in the award of subsequent task orders and will be factored into the annual evaluation in the category of Quality of Product or Service in the Contractor Performance Assessment Reporting System (CPARS).